

C) 12. (Twice Amended) A method of manufacturing the inkjet head according to claim 1, comprising the steps of:

forming a metal layer on a nozzle surface of a nozzle member; and
immersing said nozzle member on which said metal layer has been
formed in a solution in which a polycyclic thiol compound has been dissolved.

REMARKS

Claims 1-13 are pending. By this Amendment, claims 1-12 are amended. No new matter is added.

In view of the foregoing amendments and remarks, Applicants submit that this application is in condition for allowance. Favorable reconsideration and prompt allowance of claims 1-13 are earnestly solicited.

Should the Examiner believe that anything further would be desirable in order to place this application in better condition for allowance, the Examiner is invited to contact Applicants' undersigned representative at the telephone number set forth below.

Respectfully submitted,



James A. Oliff
Registration No. 27,075

Eric D. Morehouse
Registration No. 38,565

JAO:EDM/gam

Attachment:
Appendix

Date: April 2, 2003

OLIFF & BERRIDGE, PLC
P.O. Box 19928
Alexandria, Virginia 22320
Telephone: (703) 836-6400

<p>DEPOSIT ACCOUNT USE AUTHORIZATION Please grant any extension necessary for entry; Charge any fee due to our Deposit Account No. 15-0461</p>



APPENDIX

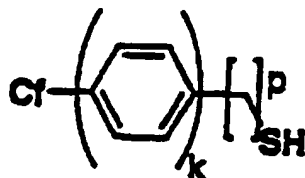
Changes to Claims:

The following are marked-up versions of the amended claims:

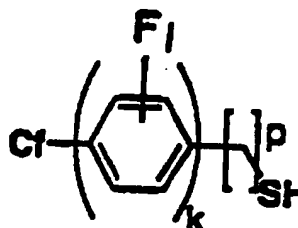
1. (Amended) ~~An ink-jet printer head~~inkjet head, wherein ink drops are ejected from nozzles formed in a nozzle surface, comprising:
 - a metal layer comprising metal formed on said nozzle surface; and
 - a self-organized film layer consisting essentially of a polycyclic thiol compound formed on a top of said metal layer.
2. (Amended) ~~The ink-jet printer head~~inkjet head according to claim 1, wherein an intermediate layer consisting of nickel, chromium, tantalum or titanium, or an alloy thereof, is provided between a member that forms said nozzle surface and said metal layer.
3. (Twice Amended) ~~The ink-jet printer head~~inkjet head according to claim 1, wherein said self-organized film layer is formed on inner walls of said nozzles.
4. (Twice Amended) ~~The ink-jet printer head~~inkjet head according to claim 1, wherein said nozzles are provided in indented sections provided in said nozzle surface.
5. (Twice Amended) ~~The ink-jet printer head~~inkjet head according to claim 1, further comprising cavities into which ink is filled and pressure-applying devices that produce volume changes in said cavities, wherein ink drops are ejected from said nozzles through said volume changes in said cavities.
6. (Amended) ~~The ink-jet printer head~~inkjet head according to claim 5, wherein said pressure-applying devices are piezoelectric elements.
7. (Amended) ~~The ink-jet printer head~~inkjet head according to claim 5, wherein said pressure-applying devices are heat-generating elements.

8. (Twice Amended) The ~~ink-jet printer head~~inkjet head according to claim 1, wherein said polycyclic thiol compound is a compound represented by undermentioned general formula (I) or (II):

(I)



(II)



wherein Cf is $\text{CF}_3(\text{CF}_2)_n$, $\text{CF}_3(\text{CF}_2)_n(\text{CH}_2)_m$, $(\text{CF}_3)_2\text{CF}(\text{CF}_2)_n$, $(\text{CF}_3)_2\text{CF}(\text{CF}_2)_n(\text{CH}_2)_m$, $(\text{CF}_3)_3\text{C}(\text{CF}_2)_n$ or $(\text{CF}_3)_3\text{C}(\text{CF}_2)_n(\text{CH}_2)_m$, n is an integer greater than or equal to 0, m is an integer greater than or equal to 1, k is an integer greater than or equal to 3, p is an integer greater than or equal to 1, and l is an integer from 1 to 4.

9. (Amended) The ~~ink-jet printer head~~inkjet head according to claim 8, wherein, in said general formula (I) or (II), Cf is $\text{CF}_3(\text{CF}_2)_n$ or $\text{CF}_3(\text{CF}_2)_n(\text{CH}_2)_m$, n is an integer from 0 to 15, m is an integer from 1 to 20, k is 3 or 4, p is an integer from 1 to 20, and l is an integer from 1 to 4.

10. (Amended) The ~~ink-jet printer head~~inkjet head according to claim 8, wherein, in said general formula (I) or (II), Cf is $(\text{CF}_3)_2\text{CF}(\text{CF}_2)_n$ or $(\text{CF}_3)_2\text{CF}(\text{CF}_2)_n(\text{CH}_2)_m$, n is an integer from 0 to 15, m is an integer from 1 to 20, k is 3 or 4, p is an integer from 1 to 20, and l is an integer from 1 to 4.

11. (Amended) The ~~ink-jet printer head~~inkjet head according to claim 8, wherein, in said general formula (I) or (II), Cf is $(\text{CF}_3)_3\text{C}(\text{CF}_2)_n$ or $(\text{CF}_3)_3\text{C}(\text{CF}_2)_n(\text{CH}_2)_m$, n is an integer from 0 to 15, m is an integer from 1 to 20, k is 3 or 4, p is an integer from 1 to 20, and l is an integer from 1 to 4.

12. (Twice Amended) A method of manufacturing the ~~ink-jet printer head~~inkjet head according to claim 1, comprising the steps of:
- forming a metal layer on a nozzle surface of a nozzle member; and
 - immersing said nozzle member on which said metal layer has been formed in a solution in which a polycyclic thiol compound has been dissolved.